Delta Controller ASCII/RTU

HMI Factory Setting:

Baud rate: 9600, 7, None, 2 (ASCII); 9600, 8, None, 2 (RTU) Controller Station Number: 1

Control Area / Status Area: None/None

Connection

Delta Servo

a. RS-232 (DOP-A/AE/AS, DOP-B Series)



b. RS-422 (DOP-A/AE Series)



c. RS-422 (DOP-AS35/AS38/AS57 Series)



d. RS-422 (DOP-B Series)



e. RS-485 (DOP-A/AE Series)





g. RS-485 (DOP-AS35/AS38 Series)



h. RS-485 (DOP-B Series)



Delta AC Motor Dirve V1.02 Revision January, 2016



a. RS-485 (DOP-A/AE Series)

b. RS-485 (DOP-AS57 Series)



c. RS-485 (DOP-AS35/AS38 Series)



d. RS-485 (DOP-B Series)



Temperature Controller



b. RS-485 (DOP-AS57 Series)



c. RS-485 (DOP-AS35/AS38 Series)

V1.02 Revision January, 2016



d. RS-485 (DOP-B Series)



Definition of PLC Read/Write Address

a. Registers

Туре	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Servo Communication Address	SERVO-n	SERVO-0 – SERVO-FFFF	Word	Hexadecimal
AC Drive Communication Address	INVERTER-n	INVERTER-0 – INVERTER-FFFF	Word	Hexadecimal
Temperature Controller Communication Address	TEMP_CTRL-n	TEMP_CTRL-0 - TEMP_CTRL-6000	Word	Hexadecimal
PLC Communication Address X	PLC_Xn	PLC_X0 - PLC_X360	Word	Octal, <u>1</u>
PLC Communication Address Y	PLC_Yn	PLC_Y0 - PLC_Y360	Word	Octal, <u>1</u>
PLC Communication Address M	PLC_Mn	PLC_M0 - PLC_M1520, PLC_M1536 - PLC_M4080	Word	<u>1</u> PLON ^M
PLC Communication Address S	PLC_Sn	PLC_S0 - PLC_S1008	Word	<u>1</u>
PLC Communication Address T	PLC_Tn	PLC_T0 - PLC_T255	Word	PLC1.it

V1.02 Revision January, 2016

Туре	PLCI	Format Word No. (n)	Read/Write Range	Data Length	Note
PLC Communication Address C	PLCA	PLC_Cn	PLC_C0 - PLC_C199	Word	PLC1.ir
PLC Communication Address D		PLC_Dn	PLC_D0 - PLC_D11999	Word	PLC1.IT
PLC Communication Address HC	PLCI	PLC_HCn	PLC_HC200 -PLC_HC255	Double Word	PLC1.IT
PLC Communication Address Module	PLC1	PLC_Modulen	PLC_Module4000 – PLC_Module4499	Word	Hexadecimal
Output Registers		RW- n	RW-0 – RW-FFFF	Word	Hexadecimal
Input Registers	PLC1.	R-n	R-0 – R-FFFF	Word	Hexadecimal
Output Registers		Wn	W40001 - W50000	Word	
Input Registers	PLC1.	Wn	W30001 - W40000	Word	PLC1.

b. Contacts

hr. hr.	Format		Note	
Туре	Word No.(n) Bit No. (b)	Read/Write Range		
Servo Communication Address	SERVO- n.b	SERVO-0.0 – SERVO-FFFF.F	Hexadecimal	
AC Drive Communication Address	INVERTER-n.b	INVERTER-0.0 - INVERTER-FFFF.F	Hexadecimal	
Temperature Controller	TEMP_CTRL-n	TEMP_CTRL-0.0 -	Llovedeeimeel	
Communication Address	.b	TEMP_CTRL-6000.F	Hexadecimal	
Servo Digital Input	SERVO_DI-b	SERVO_DI-1 - SERVO_DI-8	<u>2</u>	
Servo Digital Output	SERVO_DO-b	SERVO_DO-1 - SERVO_DO-5	<u>2</u>	
PLC Communication Address X	PLC_Xb	PLC_X0 - PLC_X377	Octal	
PLC Communication Address Y	PLC_Yb	PLC_Y0 - PLC_Y377	Octal	
PLC Communication		PLC_M0 - PLC_M1535,		
Address M		PLC_M1536 - PLC_M4095	PLC1.II	
PLC Communication Address S	PLC_Sb	PLC_S0 - PLC_S1023	PLONI	
PLC Communication			PLO1.1	
Address T		FLC_10 - FLC_1200		
PLC Communication Address C	PLC_Cb	PLC_C0 - PLC_C255	PLONI	

V1.02 Revision January, 2016

PLC Communication Address D	PLC_Dn.b	PLC_D0.0 - PLC_D11999.15	PLC1.in	PLC ^{A,II}
Temperature Controller Bit	TEMP_CTRLB-	TEMP_CTRLB-800 -		Hexadecimal
Communication Address	b	TEMP_CTRLB-8FF	PLC1.	
Discrete Outputs	RWB-b	RWB-0 – RWB-FFFF		Hexadecimal
Discrete Inputs	RB-b	RB- 0 – RB- FFFF	PLC1."	Hexadecimal
Discrete Outputs	Bb	B 1 – B 10000		
Discrete Inputs	Bb	B 10001 – B 20000	PLC1."	PLC1.

- 1) Device address must be the multiple of 16.
- 2) SERVO_DI-, SERVO_DO- are only for A, B, AB and A+ series Servo •
- HMI can be connected to several temperature controllers using RTU transmission mode.
 However a communication delay time of 5ms or longer is highly recommended.